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IDEA-0242-69
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26 MAR 1969

MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report, 17-22 March 1969

1. Locations and Purposes of Visits:

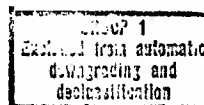
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The undersigned visited the David Clark Company from 17-20 March to discuss technical status of engineering activities on the S-1010 PPA, discuss financial status of contracts, participate in cold-water immersion evaluations, and to conduct S-1010 PPA indoctrination and fittings for [redacted]. The ARO Corporation in Buffalo, N. Y. was visited on 21 and 22 March to conduct S-1010 PPA altitude chamber training for Harry Drew, to test and discuss an improved LOX System for possible U-2R use, and to discuss financial status of contracts.

2. Results of Visit to David Clark Company:

a. Technical Review: ECP's and Service Bulletins approved to date were reviewed and progress was found to be satisfactory. Forthcoming ECP's to provide improved helmet tie-down locks and straps, and improved glove disconnects were reviewed. Proposed items were satisfactory and ECP's will be approved once cost information has been submitted. New engineering activity was generated during discussions on additional S-1010 PPA pockets for survival/rescue items, improved thermal protection, and improved life raft construction.

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b. Financial Status: The present status of contracts DC-1702 and 1704 were discussed and the following comments apply.

(1) DC-1702 (Spares and Mod Kits) At present rate of expenditure the funds obligated will just cover the remaining three (3) months of FY-69. However, additional S-1010 PPA's will be required before the end of FY-69 which will require additional funding. The undersigned is firming up these requirements at the present time and will request additional funding ASAP.

(2) DC-1703 (Tech Reps) David Clark Company estimates an additional [] will be required to meet requirements for Customer No. 1 for FY-69. The additional requirement has been made available to CMD/Compt/OSA and will be obligated.

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(3) DC-1704 (Sustaining Engineering and Overhaul/Repair) At the present rate of expenditure, approximately [] would be available at the end of FY-69. However, it was determined that rework of approximately four (4) S-1010 PPA's will be required for re-utilization of assets before the end of the Fiscal Year, and cost of these will consume the anticipated excess. In addition, additional funds may be requested by the undersigned to expedite additional engineering for proposed improvements in cold-water protection.

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c. Cold-Water Tests: One day was devoted to evaluation of the protection from cold-water immersion afforded by the S-1010 PPA and to discussions of possible improvements. Evaluations, results and recommendations will be covered in detail in a separate memorandum.

d. S-1010 PPA Fittings for [] This subject's S-1010 PPA required minimal modification to make it completely comfortable and safe with respect to mobility and vision. The subject was exceptionally pleased with the fit and design of the equipment.

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3. Results of Visit to ARO Corporation:a. Altitude Chamber Training for [REDACTED]

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No problems were encountered and the satisfactory fit and comfort of this subject's PPA was confirmed.

b. Improved LOX System Test: The ARO LOX System, designed to overcome excess consumption encountered with the LAC modified system, was used in the altitude chamber by subject [REDACTED] for three (3) hours and by the undersigned for an additional three (3) hours 45 minutes. Performance was as anticipated with normal consumption and operating pressures. Test data and recommendations will be presented in a separate memorandum.

c. Financial Status of AB-2300: All tasks under Contract AB-2300 appear to be adequately funded based on expenditure rates to date. No new requirements are forecasted, therefore, additional funding should not be required in this Fiscal Year.

4. Action Required: Additional funding will be requested by AMS/OSA for David Clark Company contracts DC-1702 and 1704 to provide additional S-1010 PPA's for new pilots and to provide additional engineering efforts on improved cold-water protection. Memoranda covering the ARO proposed LOX System improvement and the cold-water protection evaluations will be prepared and submitted for review.

CONCURRENCE AND OR COMMENT:

[REDACTED]

25 Mar 69
DATE

[REDACTED]

AMS/OSA

C/AMS/OSA

AMS/OSA

Distribution:

- 1 - D/SA thru TB/OSA
- 2 - AMS/OSA
- 3 - " Chrono ✓
- 4 - D/O/OSA
- 5 - IDEA/O/OSA
- 6 - SAS/O/OSA

7. D/M/OSA
8. D/R&D/OSA
9. CMD/Compt/OSA
10. " "
11. B&FD/Compt/OSA
12. RB/OSA

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Recommendations are due 21/Sept. Costs for testing
suit personnel for 21/Sept. for restricted period.
Testing done in open lab to hole cut in ice.